

Simplifying Expressions Practice

Name _____

Date _____ Block _____

* Do work on a separate sheet and staple to this!

Simplify.

1. $(6x^2 - 3x + 2) - (4x^2 + x - 3)$

2. $(7y^2 + 12xy - 5x^2) + (6xy - 4y^2 - 3x^2)$

3. $(-4m^2 - 6m) - (6m + 4m^2)$

4. $27x^2 - 5y^2 + 12y^2 - 14x^2$

5. $\frac{a}{5} + \frac{2a}{5}$

6. $\frac{x}{4} + \frac{x}{2}$

7. $\frac{x+1}{3} + \frac{x}{4}$

8. $\frac{x-3}{5} + \frac{x+1}{2}$

9. $\frac{h+3}{7} + \frac{h-1}{2}$

10. $\frac{f-5}{4} + \frac{5f}{6}$

11. $2x(3x^2 - 5)$

12. $7a(6 - 2a - a^2)$

13. $-5y^2(y^2 + 2y - 3)$

14. $(x - 2)(x + 7)$

15. $(5 - 4x)(3 - 2x)$

16. $(2x - 1)(3x + 5)$

17. $3(4c - 2d) - 5(c + 3d)$

18. $8(-2a + 3b) + 2a$

19. $\frac{1}{4}(12f + 4g) - \frac{1}{3}(15f - 9g)$

20. $(y - 8)^2$

21. $(g + 5) + (2g + 7)$

22. $(5d + 5) - (d + 1)$

23. $2q(3pq + 4q^4)$

24. $-9xy + 11x^2 - 14y^2 - (6y^2 - 5xy - 3x^2)$

25. $(4r^2 - 6r + 2) - (-r^2 + 3r + 5)$